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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/064,890	08/27/2002	Raveendran Vaidhyanathan	US20000174	7969

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WHIRLPOOL PATENTS COMPANY - MD 0750  
500 RENAISSANCE DRIVE - SUITE 102  
ST. JOSEPH, MI 49085

EXAMINER
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STINSON, FRANKIE L

ART UNIT	PAPER NUMBER
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1746

DATE MAILED: 11/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/064,890

Applicant(s)

VAIDHYANATHAN ET AL.

Examiner

FRANKIE L. STINSON

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 15 September 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 17-20 is/are allowed.
- 6) ☒ Claim(s) 1-5,7,9-13 and 15 is/are rejected.
- 7) ☒ Claim(s) 6,8,14 and 16 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

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1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 2, 9 and 10 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Japan'292 (Japan 5-42292).

Re claim 9, for example, note that Japan'292 discloses an automatic washer comprising:

a rotatable wash basket (10),

a rotatable agitator (not shown) concentrically mounted in the wash basket,

a drive motor (not shown),

a first drive shaft (at motor not shown) driven by said motor at a first rotational speed and with a first torque,

a second drive shaft (11) arranged to rotatingly drive said agitator,

a rotatably mounted spin tube (3) arranged concentrically around the second drive shaft (11),

a mechanism (4) arranged between the first drive shaft and the second drive shaft to convert the first rotational speed and first torque to a second rotational speed and a second torque at the second drive shaft,

a first clutch (18, as per on site translator, full document being translated) arranged between said wash basket and said first drive shaft to allow for selective engagement and disengagement between said wash basket and said first drive shaft,

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a second clutch (9) arranged between said wash basket and said second drive shaft to allow for selective engagement and disengagement between said wash basket and said second drive shaft where the drive mechanism is configured to effect higher speed and lower torque during a water extraction mode and a lower speed higher torque during an agitation (washing) mode.

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 3 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Japan'292 in view of Geldhof et al. (U. S. Pat. No. 2,227,077).

Claims 3 and 11 define over the applied prior art only in the recitation of the direct spline connection between the agitator and the second drive shaft. Geldhof is cited disclosing the connection (23) as claimed. It therefore would have been obvious to one having ordinary skill in the art to modify the agitator connection (not shown) of Japan'292, to be a splined connection as taught by Geldhof, since this considered to be a substitution of equivalents (see MPEP 2144.06 SUBSTITUTING EQUIVALENTS KNOWN FOR THE SAME PURPOSE).

5. Claims 4, 5, 7, 12, 13 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Japan'292.

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Re claims 3, 4, 7, 12, 13 and 15, to employ, a planetary gear mechanism or a spline clutch is deemed to be substitution of equivalents in view of the corresponding features in Japan'292 (see MPEP 2144.06).

6. Claims 6, 8 14 and 16 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. Claims 17-20 are allowed.

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. In Satoh et al., Fey et al., Boyd, Jr., Japan'072, Japan'894, Pope, Brundage, Forbes et al., Japan'185, Japan'993 and Igaku, note the driving means.

9. Applicant's arguments with respect to claims 1-20 have been considered but are moot in view of the new ground(s) of rejection.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANKIE L. STINSON whose telephone number is (571) 272-1308. The examiner can normally be reached on M-F from 5:30 am to 2:00 pm and some Saturdays from approximately 5:30 am to 11:30 am.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Barr, can be reached on (571) 272-1700. The fax phone number for the organization where this application or proceeding is assigned is 571-272-8300.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

fls

  
FRANKIE L. STINSON  
Primary Examiner  
GROUP ART UNIT 1746